

WHAT IS CLAIMED IS:

1. A color cathode ray tube comprising:
a shadow mask;
5 first frames for supporting the shadow mask; and
second frames for supporting the first frames;
wherein the first frames have a lateral portion for supporting the
shadow mask and a joint portion that is overlapped on the lateral portion
and welded partially to the lateral portion, and
10 a space is provided between the lateral portion and a part of the
joint portion other than the part welded to the lateral portion, the joint
portion being inclined with respect to the lateral portion such that the space
enlarges with an increase in a distance from an edge of the lateral portion
on a side of supporting the shadow mask.
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2. The color cathode ray tube according to claim 1, wherein a surface of
one of the lateral portion and the joint portion facing the other has a
protrusion that contacts the other.
- 20 3. The color cathode ray tube according to claim 2, wherein a plurality
of the protrusions are provided.
4. The color cathode ray tube according to claim 3, wherein an edge of
the joint portion that is welded to the lateral portion has an arc shape
25 viewed from a normal direction of the joint portion, and the plurality of the
protrusions are arranged along a straight line parallel with a longitudinal
direction of the first frame.